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**COLLEGE OF  
DENTISTRY  
UNIVERSITY  
OF ILLINOIS  
1956-58**



808 SOUTH WOOD STREET, CHICAGO 12, ILLINOIS

**1956**

**1958**

**COLLEGE OF DENTISTRY**

**UNIVERSITY OF ILLINOIS**

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UNIVERSITY OF ILLINOIS

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## **BOARD OF TRUSTEES**

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TIMOTHY W. SWAIN, Peoria

1953-59 CUSHMAN B. BISSELL, Chicago

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PARK LIVINGSTON, Franklin Park

1955-61 WIRT HERRICK, Clinton

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### **COMMITTEE ON THE CHICAGO DEPARTMENTS**

MRS. FRANCES B. WATKINS, Chairman

CUSHMAN B. BISSELL

PARK LIVINGSTON

## CALENDAR

### 1955 FALL QUARTER

Sept. 26, Monday . . . . . First day of classes.  
Nov. 24, Thursday . . . . . Thanksgiving Day.  
Dec. 17, Saturday . . . . . End of quarter.

### 1956 WINTER QUARTER

Jan. 3, Tuesday . . . . . First day of classes.  
March 24, Saturday . . . . . End of quarter.

### 1956 SPRING QUARTER

April 2, Monday . . . . . First day of classes.  
May 30, Wednesday . . . . . Memorial Day.  
June 15, Friday . . . . . Commencement.

### 1956 SUMMER QUARTER

June 25, Monday . . . . . First day of quarter.  
July 4, Wednesday . . . . . Independence Day.  
Sept. 3, Monday . . . . . Labor Day.  
Sept. 15, Saturday . . . . . End of quarter.

### 1956 FALL QUARTER

Oct. 1, Monday . . . . . First day of classes.  
Nov. 22, Thursday . . . . . Thanksgiving Day.  
Dec. 22, Saturday . . . . . End of quarter.

### 1957 WINTER QUARTER

Jan. 7, Monday . . . . . First day of classes.  
March 30, Saturday . . . . . End of quarter.

### 1957 SPRING QUARTER

April 8, Monday . . . . . First day of classes.  
May 30, Thursday . . . . . Memorial Day.  
June 21, Friday . . . . . Commencement.

### 1957 SUMMER QUARTER

July 1, Monday . . . . . First day of quarter.  
July 4, Thursday . . . . . Independence Day.  
Sept. 2, Monday . . . . . Labor Day.  
Sept. 21, Saturday . . . . . End of quarter.

### 1957 FALL QUARTER

Sept. 30, Monday . . . . . First day of classes.  
Nov. 28, Thursday . . . . . Thanksgiving Day.  
Dec. 21, Saturday . . . . . End of quarter.

### 1958 WINTER QUARTER

Jan. 6, Monday . . . . . First day of classes.  
March 29, Saturday . . . . . End of quarter.

### 1958 SPRING QUARTER

April 7, Monday . . . . . First day of classes.  
May 30, Friday . . . . . Memorial Day.  
June 20, Friday . . . . . Commencement.

### 1958 SUMMER QUARTER

June 30, Monday . . . . . First day of quarter.  
July 4, Friday . . . . . Independence Day.  
Sept. 1, Monday . . . . . Labor Day.  
Sept. 20, Saturday . . . . . End of quarter.



## ADMINISTRATIVE OFFICERS

- DAVID DODDS HENRY, Ph.D., LL.D., H.H.D., Litt.D., L.H.D., President of the University
- HERBERT EUGENE LONGENECKER, Ph.D., Vice-President in Charge of the Chicago Professional Colleges
- ISAAC SCHOUR, D.D.S., Ph.D., Dean of the College of Dentistry
- NELL SNOW TALBOT, A.M., Assistant to the Dean of the College of Dentistry
- GEORGE ROBERT MOON, A.M., Examiner and Recorder for the Chicago Departments
- JOHN EDSON MILLIZEN, A.B., Administrator of the Research and Educational Hospitals
- HOWARD ALBERT HAZLETON, B.S., Business Manager for the Chicago Colleges and Divisions
- HARRY WISLER PEARCE, B.S., Superintendent of Buildings and Grounds for the Chicago Departments
- MARGARET DICKSON JOHNSON, A.B., Manager of the Chicago Illini Union
- BUFORD HALL, B.S., M.D., Director of Health Service for the Chicago Departments
- PAUL A HARTLEY, A.M., Associate Director of Nonacademic Personnel
- WILMA ALLENE TROXEL, A.M., Librarian for the Chicago Departments
- WILLIAM A. PEEPLES, B.S., Manager of Public Relations for the Chicago Departments
- MAURICE JACKSON GALBRAITH, M.S., Dean of Student Affairs for the Chicago Departments

## COMMITTEES

### COMMITTEES FOR THE CHICAGO PROFESSIONAL COLLEGES

- Animal Hospital Advisory.* C. A. Krakower (Chairman), L. G. Abood, P. D. Carpenter, W. C. Dolowy (*ex officio*), W. J. Grove, G. G. Jackson, J. E. Kempf, J. F. Knight (*ex officio*), I. Schour, C. B. Taylor, W. V. Whitehorn.
- Building and Space Advisory.* R. E. Terry (Chairman), Emily C. Cardew, H. F. Dowling, H. A. Hazleton (*ex officio*), W. H. Kubacki, H. W. Pearce (*ex officio*), P. H. Simer.
- Committees.* R. A. Harvey (Chairman designate), J. P. Marbarger (Secretary), J. S. Begando, F. K. Hick, G. G. Jackson, V. E. James, J. M. Spence, G. L. Webster.

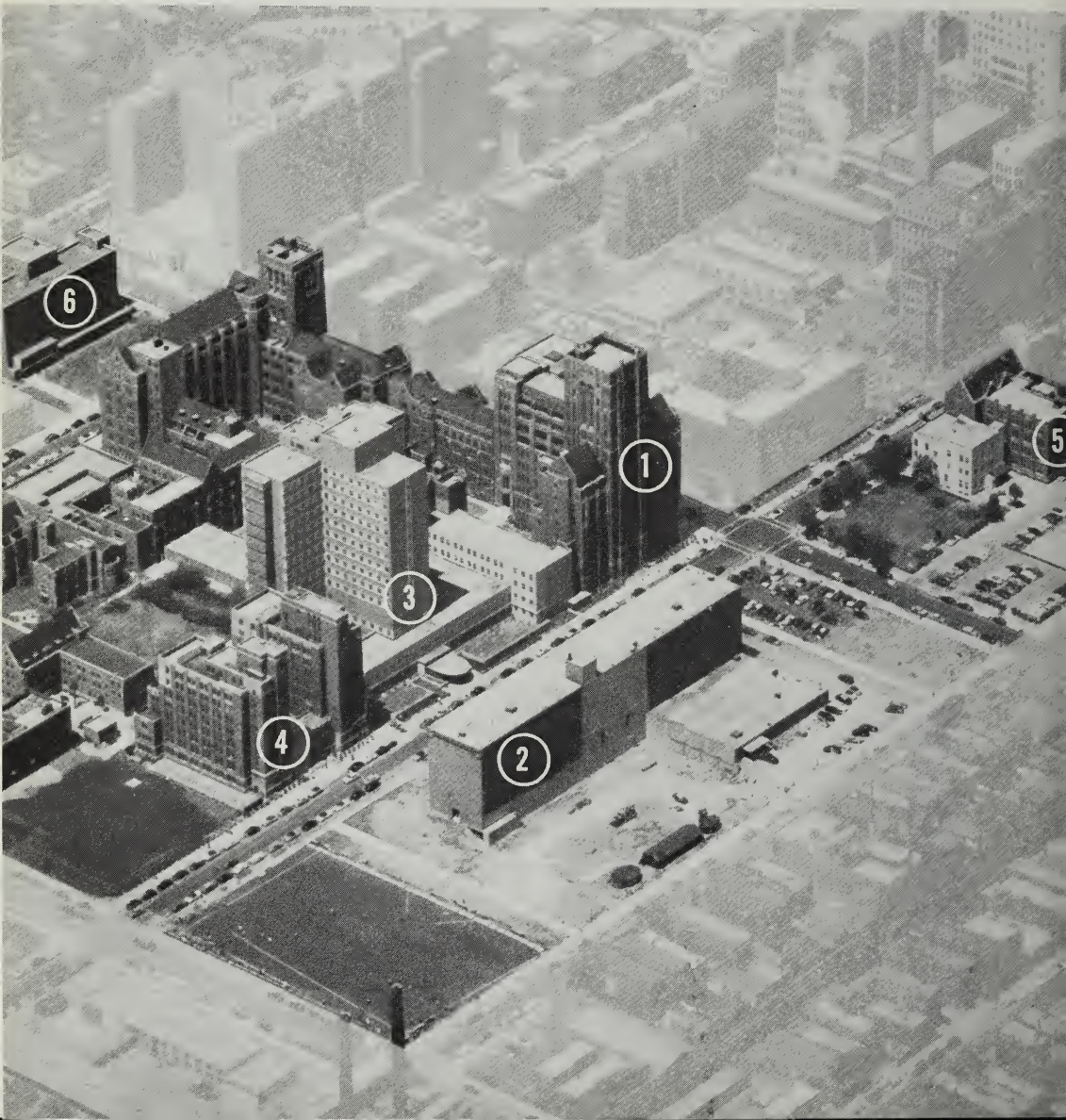


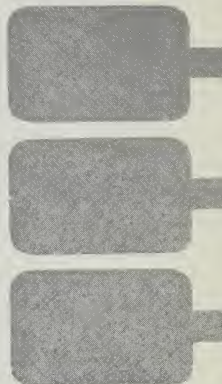
- Health Service and Physical Fitness Advisory.* F. K. Hick (Chairman), D. J. Caseley, D. L. Deardorff, H. F. Dowling, M. J. Galbraith (*ex officio*), W. J. Grove, B. Hall (*ex officio*), P. A. Hartley (*ex officio*), E. A. Jasper, P. E. Nielson, J. M. Spence.
- Library Advisory.* G. L. Webster (Chairman), P. Bailey, L. C. Dolk, J. H. Kiefer, I. Schour, P. H. Simer, Wilma A. Troxel (*ex officio*), K. R. Unna.
- Maintenance Advisory.* E. R. Kirch (Chairman), M. J. Galbraith, W. H. Kubacki, H. W. Pearce (*ex officio*), C. F. Schar (*ex officio*), N. D. Schwartz.
- Policy and Discipline.* H. E. Longenecker (Chairman), G. A. Bennett, Emily C. Cardew, M. J. Galbraith (*ex officio*), G. R. Moon (*ex officio*), M. V. Novak, I. Schour, E. R. Serles.
- Student Affairs and Housing.* J. E. Davis (Chairman), Emily C. Cardew, A. M. Clement, F. C. Dalla (*ex officio*), J. A. Gagnon, M. J. Galbraith (*ex officio*), J. E. Gearian, H. A. Hazleton (*ex officio*), C. A. Johnson, Margaret D. Johnson (*ex officio*), G. R. Moon (*ex officio*), W. A. Peeples (*ex officio*), A. Rostenberg, Jr.
- University Lecture Series.* M. J. Galbraith (Chairman), D. J. Caseley, A. H. Goodwin (*ex officio*), Nell S. Talbot, G. L. Webster, President of Sigma Xi (*ex officio*), President of Executive Students Council (*ex officio*).

#### COMMITTEES OF THE COLLEGE OF DENTISTRY

- Admissions.* I. Schour (Chairman), A. G. Brodie, R. G. Kesel, F. J. Koenig, W. H. Kubacki, G. R. Moon, J. M. Spence, Nell S. Talbot, G. P. Tuttle, S. D. Tylman, G. E. Wakerlin.
- Curriculum.* Nell S. Talbot (Chairman), A. G. Brodie, R. G. Kesel, W. H. Kubacki, I. Schour, J. M. Spence, S. D. Tylman.
- Executive.* I. Schour (Chairman), A. G. Brodie, R. G. Kesel, W. H. Kubacki, M. Massler, J. M. Spence, Nell S. Talbot (Secretary), S. D. Tylman, J. P. Weinmann, S. H. Yale.
- Exhibits and Clinics.* E. L. DuBrul (Chairman), J. A. Gagnon, J. M. Spence.
- Promotions.* I. Schour (Chairman), A. G. Brodie, R. G. Kesel, W. H. Kubacki, J. M. Spence, Nell S. Talbot, S. D. Tylman.

Courtesy of Chicago Aerial Survey Co.





### LOCATION

The College of Dentistry of the University of Illinois is located in the great medical center on the west side of Chicago. The work of the College, together with the related work in the Colleges of Medicine and Pharmacy and the Graduate College, is centralized in the Dentistry-Medicine-Pharmacy Building, facing on Polk, Wood, and Wolcott Streets. The campus, which is about three miles from the Loop, or main business district of the city, can be reached conveniently by elevated train, bus, or automobile.

The University buildings contain the administrative offices of the College, the library, several museums, many classrooms and large laboratories for class work, numerous small laboratories for individual research, an autopsy amphitheater, a large and well-equipped surgical amphitheater, and the clinics of the College of Dentistry. The Student Union Building is at 715 South Wood Street.

Available for instruction are the Research and Educational Hospitals which were operated by the State Department of Public Welfare until they were transferred to the University in 1941. Additional facilities for instruction and research are available in the Neuropsychiatric Institute, the Illinois Eye and Ear Infirmary, and the Institute for Juvenile Research, which are located on or near the campus.

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### LEGEND TO PHOTOGRAPH

1. Dentistry-Medicine-Pharmacy Building
2. East Dentistry-Medicine-Pharmacy Building
3. Research and Educational Hospitals
4. Neuropsychiatric Institute
5. Chicago Illini Union
6. Student Residence Hall



## HISTORY

The College of Dentistry was originally an independent, proprietary institution before becoming affiliated with the University of Illinois. It was founded in 1892 as the Columbian Dental College, becoming in 1898 the Illinois School of Dentistry. It was first affiliated with the University of Illinois in 1901, and was called the School of Dentistry until 1905, when its name was changed to the College of Dentistry. In 1913 the University assumed complete control, and the College of Dentistry became an organic part of the University. It is now located in the building that also houses the College of Medicine and the School of Nursing, using the same laboratories, classrooms, and library, and to a large degree the same pre-clinical faculty.

Graduate courses have been offered in the Chicago departments since 1915. The present work of the Graduate College is described in detail in a separate announcement.

## ADMINISTRATION

Under the laws of the state of Illinois, the Board of Trustees of the University of Illinois is composed of eleven members, including the Governor and the Superintendent of Public Instruction who serve *ex officio*, and nine members elected by the people of the state for terms of six years.

Under the University Statutes adopted by the Board of Trustees, the affairs of the University are administered by the President, the Provost, the Vice-President, the Deans and Directors of the Colleges and Schools, and other administrative officers, most of whom are located on the main campus of the University at Urbana. The Chicago departments are organized in three colleges, Dentistry, Medicine, and Pharmacy, and the School of Nursing; with the exception of the latter, each has its own Dean, and all are under the general supervision of the Vice-President. Graduate courses are under the general supervision of the Dean of the Graduate College at Urbana and the immediate direction of an Associate Dean on the Chicago campus.

The University Senate is composed of members of the faculty who have full professorial rank and others who are in charge of departments, both at Urbana and in Chicago. In Chicago there is a Professorial Faculty composed of all members of the staff of professorial rank, together with a group of designated administrators.

Members of the faculty in each college cooperate with those in other colleges of the University, both in instruction and in research. Staff members of the basic science departments in the College of Medicine give instruction for students of dentistry, medicine, pharmacy, nursing, and occupational therapy.

## CLINICS AND HOSPITALS

The Dental Clinics are on the fourth, fifth, sixth, seventh, eighth, ninth, twelfth, and thirteenth floors of the east section of the Dentistry-Medicine-Pharmacy Building. Here each student is provided with the most modern equipment and performs under careful faculty supervision the required dental operations on patients assigned to him. More than nine thousand patients pass through the Dental Clinics annually.

The Research and Educational Hospitals, planned and built for teaching and investigation, connect directly with the classrooms and laboratories of the Colleges of Dentistry and of Medicine. The addition, completed in 1953, increased the total capacity of the Research and Educational Hospitals and the Neuropsychiatric Institute to 750 beds. Each year there are approximately 200,000 patient visits in the outpatient clinics and 12,000 admissions to the hospitals. There are eleven surgical operating rooms, all with facilities for students and some equipped for special procedures. All types of surgery, including dental, are practiced.

The Division of Services for Crippled Children is a unit of the University operating a statewide "extension" program of medical, surgical, dental, corrective, and other services, and facilities for diagnosis, hospitalization, and after-care for children who are crippled or who are suffering from conditions which lead to crippling. Its director is responsible to the Vice-President of the University. The Division conducts over 260 outpatient diagnostic and follow-up clinics throughout the state each year and provides hospitalization in numerous medical centers. It maintains close working relationship with the Colleges of Medicine and Dentistry and the Research and Educational Hospitals, where a considerable number of its patients are provided with care. It cooperates also with the State Department of Public Health, the State Department of Public Welfare, the State Superintendent of Public Instruction, the State Division of Vocational Rehabilitation, and the State Commission for Handicapped Children.

The Division's field program is carried out through a staff of public health nurses, speech and hearing consultants, and social service consultants, who work closely with workers employed in local areas by health departments, welfare agencies, and the schools.

## LIBRARY

The library contains a comprehensive collection of standard and modern works on dental, medical, and pharmaceutical subjects, with over

1,100 current periodicals and more than 120,000 books on the shelves at present. It is used by professional men throughout the Chicago area, and its service to the University staff and student body is supplemented by loan arrangements with other libraries.

## **MUSEUMS**

The College of Dentistry has a museum for the study and demonstration of the ecology of the masticatory structures, containing over one thousand specimens.

The College of Medicine has two museums: the Anatomy Museum, including gross anatomy, histology, embryology, and neurology; and the Pathology Museum, including gross specimens for purposes of instruction of undergraduate and postgraduate students of medicine and dentistry.

## **RECREATIONAL FACILITIES**

The social and recreational center for students, alumni, and faculty members is the Chicago Illini Union Building, 715 South Wood Street. Its facilities include a cafeteria, grill, soda fountain, browsing room, music room, gymnasium, meeting rooms, and game rooms. Intramural sports under a trained director are encouraged, and facilities and equipment are available for softball, touch football, tennis, archery, wrestling, fencing, badminton, basketball, volleyball, shuffleboard, weightlifting, pool, and ping-pong. Through special arrangements, the swimming pools of the nearby Y.M.C.A. and Y.W.C.A. are available to students. Handball for men is also available at the Y.M.C.A. In winter the cement tennis courts are flooded for ice skating.

## **REQUIREMENTS FOR ADMISSION**

### **GENERAL REGULATIONS AND DIRECTIONS**

Applications for admission to the College of Dentistry should be addressed to the Examiner and Recorder, 1853 West Polk Street, Chicago 12. Official credentials, covering all collegiate and secondary school work done by the applicants, must be sent directly from each institution attended. Since space limitations make it necessary to restrict enrollment, applicants should have their credentials mailed to the Examiner and Recorder as early as possible. Applications will be received at any time within eleven months before the date for registration. New classes enroll only in the fall, usually late in September.

Veterans may attend under the provisions of Public Law 16 (Rehabilitation), Public Law 346 (G. I. Bill of Rights), or Public Law 550

(Korean G. I. Bill). The veteran should consult the Office of Veterans Administration to apply for the benefits of any of these acts.

Credentials accepted for admission become the property of the University and are kept permanently in the files.

*Health Certificates.* For each applicant whose previous record meets the requirements for admission, or who appears likely to meet them before the opening of the school year when he desires to enroll, the health officer at the last institution attended will be asked to furnish a certificate concerning the applicant's health, both physical and mental. When the health service of an institution can not supply the desired information, the applicant should have his family physician send in a report on his physical condition. If a student's application for admission is approved at a date so late as to make it impossible to obtain a health certificate before classes begin, he may be registered temporarily pending a satisfactory report from the Health Service.

*Physical Examination and the Health Service.* Each applicant who is tentatively accepted should arrange with the University Health Service on this campus for a physical examination as promptly as possible. It is strongly urged that each applicant visit his own dentist and physician before registration, especially for (1) any needed dental repairs, (2) refraction and fitting for glasses if needed, (3) vaccination against small-pox, (4) typhoid immunization, (5) tetanus immunization, (6) diphtheria immunization or a booster, and (7) a chest X-ray. A Mantoux test for tuberculosis is also advisable. After registration the student will find it difficult to have these essential things done without loss of time from study.

The University Health Service attempts to offer as complete medical care to all students as its facilities permit. The Health Service will cooperate with the student's personal physician in every way possible.

*Selection of Applicants.* As the capacity of the College of Dentistry is limited, selection of applicants is necessary. Selection is made by a Committee on Admissions. No student will be considered who is on scholastic probation or who has been dropped for poor scholarship from the last institution attended prior to seeking admission to the University of Illinois. Applicants who meet in full the course and grade-average requirements will be considered by the committee. In selecting applicants, the committee will take into consideration such factors as scholastic records, the schools and colleges previously attended, letters of recommendation, especially from teachers in the laboratory sciences, health records, aptitude tests, and such special examinations as may be determined by the



committee. The Committee on Admissions gives preference to candidates who are residents of Illinois. Nonresidents must present outstanding scholastic records to be considered. A personal interview with the committee or its representative is desirable for all applicants. Invitations to register will be sent to approved applicants.

*Deposit.* Each applicant who is assigned a place in any class in the College of Dentistry is required to make a deposit of \$15.00 within two weeks of the date of notification that he will be admitted. This deposit will be applied on fees assessed against him at the time of registration. Failure to pay this deposit within the specified time will subject the applicant to forfeiture of his place. No deposit will be returned unless the applicant notifies the Examiner and Recorder, at least thirty days before the time for registration, that he will not be able to enter. The Examiner and Recorder is authorized to make refunds after that time when, in his judgment, the circumstances so justify.

*Renewing Applications.* An applicant who has been accepted for admission but fails to enroll, and who wishes to enter in a subsequent year, must reapply for admission and must meet all the requirements in force at the time of his new application.

#### SPECIAL REQUIREMENTS

In addition to the general regulations and directions indicated above, each applicant for admission to the College of Dentistry must present satisfactory evidence of six years of work as follows:

(1) Four years of work in an accredited high school or the equivalent, comprising not less than fifteen units in acceptable subjects, including prescribed subjects as follows: English, three units; algebra, one unit; plane geometry, one unit; laboratory science, one unit.

(2) Two years of work in an approved college of liberal arts and sciences, comprising not less than sixty semester hours, including prescribed subjects as follows:

	<i>Hours<sup>1</sup></i>
Chemistry (including four hours of organic and three hours of quantitative analysis).....	12
Physics.....	6
Biology (including general zoology).....	6
English.....	6
Electives (excluding military, hygiene, and physical education).....	30
<i>Total</i> .....	<u>60</u>

<sup>1</sup> By a *semester hour* is meant the work of a class meeting one hour each week for a semester of eighteen weeks. Sixty semester hours represent ordinarily two years of college work.

Physical chemistry is strongly recommended as an elective. Since the function of the preidental years is to supply a general background for the student as well as specific training in the fundamental concepts of the sciences, it is recommended that the elective hours also include history, economics, sociology, philosophy, and at least one modern language.

The course requirements enumerated must be met in full before admission will be granted. No deficiencies are permitted, but the Committee on Admissions may waive full compliance with the course specifications if the applicant possesses unusually high qualifications.

*Grade Requirement.* Those students with the highest grade averages are given preference by the Committee on Admissions. Students with averages below 3.0 are not considered.

*Dental Aptitude Testing.* The College of Dentistry, with the other dental colleges of the country, is participating in a dental aptitude testing program initiated and sponsored by the Council on Dental Education of the American Dental Association and the American Association of Dental Schools. All applicants meeting other requirements for admission are required to take the tests, the results of which will be considered in conjunction with other qualifications. The tests may be taken at any one of forty-six dental colleges and forty-five other testing centers during October, January, and April. Full information will be sent by the Examiner and Recorder to those applicants whose scholastic records qualify them. A fee of \$15.00 will be assessed for the tests.

*Candidates for the Degree of Bachelor of Science in Dentistry.* The preidental work of students who wish to be candidates for the degree of Bachelor of Science on the completion of the second year in the College of Dentistry should be distributed as follows:

	<i>Hours<sup>1</sup></i>
Chemistry (including four hours of organic and three hours of quantitative analysis) . . . . .	12
Physics . . . . .	6
Biology (including general zoology) . . . . .	8
English . . . . .	6
German, French, Spanish, or Italian . . . . .	6
Electives (excluding chemistry, physics, and biology) . . . . .	6
Free electives (physical chemistry advised) . . . . .	16
<i>Total</i> . . . . .	<u>60</u>

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<sup>1</sup> By a *semester hour* is meant the work of a class meeting one hour each week for a semester of eighteen weeks. Sixty semester hours represent ordinarily two years of college work.

*Admission with Advanced Standing.* Should there be vacancies in upper classes, students who meet the requirements for admission to the College of Dentistry, and who have studied dentistry for not less than one year in any college accredited by the University of Illinois, may be admitted with advanced standing if deemed acceptable by the Committee on Promotions. Such students, however, will be required to comply with all the conditions of the curriculum of the College of Dentistry and to complete the number of years of study essential to meet that requirement. At least two years, preferably three, must be completed in the College of Dentistry. Complete credentials, including a letter of honorable dismissal, are required of any applicant who has previously attended a dental school. Graduates of colleges of medicine accredited by the University of Illinois may be admitted to the College of Dentistry and given credit for all satisfactorily completed courses required in the dental curriculum.

*Admission of Unclassified Students.* A person twenty-one years of age or over, who has met the requirements for admission, or who is a graduate of a recognized dental school, may be admitted as an unclassified student, to take a partial schedule of work, on approval of the Dean of the College of Dentistry. Any student, however, desiring to establish eligibility to the dental degree will be required to comply with the conditions indicated in the preceding paragraph.

#### **REQUIREMENTS FOR GRADUATION**

A candidate for a degree in the College of Dentistry must meet the following general requirements: (1) show evidence of good moral character, (2) pay all indebtedness to the University, (3) obtain passing grades in all courses of the required curriculum, (4) have grades of C or better in at least three-fourths of the total hours taken in the College and counted toward the degree<sup>1</sup> and (5) have an average of C or better in the total number of hours completed in the College of Dentistry. In addition to these general requirements for graduation, the special requirements for each degree are as follows:

*Bachelor of Science in Dentistry.* Awarded to students who have completed the first two years of work in the College of Dentistry and who have the proper distribution of entrance credits (see page 15).

*Doctor of Dental Surgery.* Awarded upon completion of the four-year curriculum in dentistry. At least the last two years must be completed in the College of Dentistry.

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<sup>1</sup> Where it is necessary to translate percentages into literal grades, the following values are used: A, 92 to 100%; B, 85 to 91%; C, 75 to 84%; D, 70 to 74%; E, below 70%, failure.

## **HONORS**

A student who complies with the requirements for graduation, and who attains in all work presented for the degree the average grade specified below, may be recommended by the University Senate for the honors stated: for an average grade of not less than 4.35, graduation with honors; for an average grade of not less than 4.75, graduation with high honors. The honors awarded are noted on the diploma and in the Commencement program.

## **LICENSE TO PRACTICE IN ENGLAND**

The College of Dentistry has long been recognized by the Royal College of Physicians and Surgeons in London. Graduates in dental surgery are exempt from the preliminary examinations and may receive credit for work done in the College of Dentistry toward the curriculum of studies required for the license to practice dentistry in England.

## **SPECIAL COURSES FOR DENTISTS**

Postgraduate courses are offered for practicing dentists who wish to supplement their training in the basic and clinical fields of dentistry or who wish additional instruction in the dental specialties. For further information, see page 37 of this catalog. Copies of a special announcement of postgraduate courses may be obtained from the Division of Postgraduate Studies, College of Dentistry, 808 South Wood Street, Chicago 12, Illinois.

## **GRADUATE COURSES**

Courses leading to advanced degrees are offered in the departments of Applied Materia Medica and Therapeutics, Histology and Embryology, Oral Pathology, Oral and Maxillofacial Surgery, Orthodontics, and Pedodontics. Complete information on these courses is given in the Announcement of the Graduate College. Copies may be obtained from the Associate Dean of the Graduate College, 1853 West Polk Street, Chicago 12, Illinois.

## **FEES AND EXPENSES**

All fees are payable in full when the student registers. The Board of Trustees of the University reserves the right to change the fees at any time through publication in the announcements of the College.

A schedule of annual fees for regular full-time students in the College of Dentistry is listed below. One-third of each year's fees is payable on registration for each quarter.

	<i>Illinois</i>	<i>Non-Illinois</i>
Tuition Fee.....	\$132.00	\$351.00
Laboratory Fee.....	183.00	252.00
Union Building Service Charge....	10.50	10.50
<i>Total</i> .....	<u>\$325.50</u>	<u>\$613.50</u>

*Fees for Part-time Students.* Residents of Illinois registered for partial programs of two hundred clock hours or less in a quarter in the College of Dentistry pay tuition fees at the rate of \$3.50 for twenty-five clock hours or fraction thereof. Non-Illinois students registered for partial programs pay \$11.00. Students taking more than two hundred clock hours in a quarter pay the full tuition fees.

Part-time students in the College of Dentistry pay a laboratory fee based on the portion of the total program being taken. Students taking up to twenty-five per cent of the total program pay one-fourth of the regular laboratory fee; from twenty-five to fifty per cent of the program, one-half of the regular fee; from fifty to seventy-five per cent, three-fourths of the regular fee; over seventy-five per cent, the full laboratory fee.

All students pay the full Union Building service charge.

*Fees for Unclassified Students.* Fees charged unclassified students are based on the amount of work taken.

*Late Registration Fee.* Former students who register after the regular registration days in any quarter pay a late registration fee of \$5.00.

*Study-list Change Fee.* A fee of \$1.00 is charged for every study-list change slip issued later than the Saturday noon following the regular registration days.

*Summer Fees in Dental Technics and Clinics.* Tuition, \$12.50; materials fee, \$12.50; total, \$25.00. Students registering for half the summer pay half these fees. Students without deficiencies who work in the clinics on a voluntary basis during the summer are exempt from fees.

*Service Charge for Deferred Fees.* In cases of necessity, students may arrange for deferment of fees by calling at the Business Office. A service charge of ten per cent of the amount of fees deferred, but not to exceed \$2.00 a quarter, will be charged for the privilege of deferring fees, and this charge must be paid on the day of registration. If deferred fees are paid in full within ten days after registration, the service charge will be refunded *except* that a minimum service charge of \$1.00 will be retained by the University in all cases. The service charge, not less than one-third of the current quarter's fees, and all fees and charges from previous terms must be paid on the day of registration. Failure to meet payments of



fees within the time limits will cancel at once the privilege of attending classes. Registration is not completed until fees are paid in full, and no credit will be recorded for class work completed unless all fees and other charges have been paid in full. Deferred payment of fees delays the completion of registration but extends the privilege of attending classes pending payment of fees in full as described above.

*Refunds.* If a student withdraws within ten days after the beginning of instruction, his total fees (except the \$15.00 deposit) will be refunded. After ten days and before the expiration of one month, a refund of two-thirds of his total fees will be made. After one month and before the expiration of two months, a refund of one-third of these fees will be made. After the expiration of two months, no part of the fees will be refunded.

*Auditing Fee.* For each twenty-five clock hours or fraction thereof in the College of Dentistry persons not connected with the University who audit pay \$10.00 if residents of Illinois or \$40.00 if nonresidents. Permission to attend must be obtained from the Dean, and the student must register with the Examiner and Recorder.

*Special Examination Fee.* For any special examination to remove a failure, the fee is \$5.00.

*Transcript Fee.* Each student who has paid all his University fees is entitled to receive, without charge, one transcript of his record. For each additional transcript the fee is 50 cents.

#### EXPENSES

From one hundred to one hundred fifty dollars a month may be regarded as adequate for the ordinary living expenses of a student in Chicago, exclusive of books, clothing, railroad fare, and miscellaneous needs.

An estimate of the annual expenses for books, materials, and instruments is as follows:

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>
Books.....	\$157.00	\$ 67.00	\$146.00	\$ 30.00
Equipment...	536.00	564.00	5.00	.....
Supplies.....	50.00	50.00	30.00	30.00
<i>Total....</i>	<u>\$743.00</u>	<u>\$681.00</u>	<u>\$181.00</u>	<u>\$ 60.00</u>

Each student is also required to supply himself with a microscope at the beginning of the first year in the College of Dentistry. The cost or rental of the microscope is in addition to the expense listed in the

preceding paragraph. All microscopes must be approved by the Head of the Histology Department. The instruments purchased during the four years constitute a part of the equipment of a dental office. New microscopes, instruments, and supplies may be purchased or microscopes may be rented at the Student Supply Store, which is operated by the University on a non-profit basis as a service to students.

## **SCHOLARSHIPS, PRIZES, AND LOAN FUNDS**

### **SCHOLARSHIPS**

*General Assembly Scholarships.* Each member of the General Assembly may make one nomination annually. Nominations must be filed with the President of the University on or before the opening day of the semester or term of the year in which the scholarships are to become effective. Holders of these scholarships are exempt from the tuition fee but not from other fees.

*State Military Scholarships.* Acts of the General Assembly provide scholarships for veterans of World War I, World War II, and the Korean war, who are not receiving financial assistance for educational purposes from the federal government and who, at the time of enlistment, were residents of Illinois or students in the University of Illinois. These scholarships exempt the holders from the tuition fees in any department of the University. The General Assembly also has established one scholarship in each county for descendants of veterans of World War I and one scholarship for descendants of veterans of World War II. These scholarships are awarded by competitive examination held on the first Saturday in April.

### **PRIZES**

*Noyes Seminar Prize.* Dr. Frederick B. Noyes, during his fourteen years as Dean of the College of Dentistry, offered annual prizes for the three best papers written by students in the fourth year seminar, a course in the writing of professional and scientific papers. The first prize was \$25.00, the second \$15.00, and the third \$10.00. At the time of Dean Noyes's retirement in 1940, members of the faculty, alumni, and friends established a fund to continue the annual awards under the name of the Frederick B. Noyes Seminar Prize.

*Omicron Kappa Upsilon Membership Awards.* Students whose scholastic records place them in the highest twelve per cent of each year's graduating class of the College of Dentistry are awarded membership in Omicron Kappa Upsilon, national honorary dental fraternity. Certificates



of merit are awarded the students who have the highest scholastic averages in each of the first, second, and third year classes.

*Sigma Xi Prize.* A prize of \$25.00 is awarded annually by the Society of Sigma Xi for the best piece of scientific investigation on the part of any student in the College of Dentistry, the College of Medicine, or the Chicago departments of the Graduate College, who is without a salaried appointment by the Board of Trustees of the University.

#### **LOAN FUNDS**

Students are eligible to apply for assistance from the general loan funds of the University which have been established for the benefit of worthy students who have satisfactorily completed at least one year of work in the University and are in need of financial aid in order to finish their courses. Information concerning these funds and the regulations governing loans may be obtained from the Dean of Student Affairs.

*Gallie-Dittmar Student Loan Fund.* Emergency loans to students are made from this fund, which is named in honor of the late Doctors D. M. Gallie and G. W. Dittmar, members of the original faculty of the University of Illinois College of Dentistry. The fund has been augmented at various times through gifts from interested individuals.

#### **COLLEGE ORGANIZATIONS**

##### **ALUMNI ASSOCIATION OF THE COLLEGE OF DENTISTRY**

##### *Officers for 1956*

*President.* Eli Olech '23, 334 Roger Williams Avenue, Ravinia.

*President-Elect.* Robert B. Underwood '44, 475 Avery Street, Elmhurst.

*Vice-President.* Robert A. Atterbury '42, 1011 Lake Street, Oak Park.

*Secretary.* Edward J. Sullivan '39, 1911 Central Street, Evanston.

*Treasurer.* Grant MacLean '41, 603 Main Street, Evanston.

*Representative on General University Alumni Council.* James F. Plants '24, 1580 Sheridan Road, Evanston.

##### **OMICRON KAPPA UPSILON**

A chapter of Omicron Kappa Upsilon, national honorary dental fraternity, was organized in the College of Dentistry in 1928. Students who, on completion of their dental course, have grades ranking them in the highest twelve per cent of their class are eligible for membership.

##### *Officers for 1955-56*

*President.* Donald L. McElroy.

*President-Elect.* Eli Olech.

*Vice-President.* Robert B. Underwood.

*Secretary-Treasurer.* Bennett Klaven.

The General Operative Clinic



# **Undergraduate Courses**

## **PART 2**

### **PLAN OF INSTRUCTION**

Instruction in the College of Dentistry is offered to candidates for the degree of Doctor of Dental Surgery and to graduate students who may or may not be candidates for higher degrees. The curriculum leading to the degree of Doctor of Dental Surgery extends through four academic years as summarized on page 24. Since dentistry draws upon the same sciences as does medicine, courses in these subjects are taught by the staff of the College of Medicine. The dental student, however, has, in addition, to train himself in the use of his hands so that he may execute the multitude of fine technical operations essential in the treatment of oral disease. For this reason, the related science courses are distributed differently from those in the College of Medicine, although many of the courses are identical, and medical and dental students are together in both lectures and laboratories. Except for the first quarter of the first year, a student in the College of Dentistry is required to carry only two fundamental science courses concurrently; this necessitates the continuation of his fundamental sciences through the third year.

Those courses devoted to the training of the dental student in the technical phases of his work are distributed over the first two years and every effort is made to induce a gradual and thorough development of his skill by so ordering his work that he progresses from the simple to the complex. In order to awaken in him appreciation of the need for careful study of supporting sciences, he is introduced to the clinic by the beginning of the third quarter of his first year. His training in basic technics and their application in the laboratory continues.

The clinical facilities and equipment in the dental infirmaries are of the most modern design. Fully-equipped operating units are provided in the major clinical departments to simulate the privacy of a dental office.



# SUMMARY OF CLOCK HOURS IN THE COLLEGE OF DENTISTRY (1955-58)

Subjects	Fall Quarter		Winter Quarter		Spring Quarter		Total
	Didactic	Laboratory or Clinic	Didactic	Laboratory or Clinic	Didactic	Laboratory or Clinic	
FIRST YEAR							
Anatomy, Gross.....	22	55	22	55	20	50	224
Anatomy, Oral.....	11	33	11	33	10	30	128
Biological Chemistry.....	55	55	..	..	..	..	110
Histology, General.....	22	44	..	..	..	..	66
Histology, General and Oral.....	..	..	22	44	..	..	66
Histology, Oral.....	..	..	..	..	20	40	60
History, Dental and Medical.....	11	..	11	..	10	..	32
Technics and Clinics, Dental.....	..	..	11	165	10	130	316
(Clinics).....	..	..	..	..	..	(60)	(60)
Total	121	187	77	297	70	250	1,002
SECOND YEAR							
Anatomy, Gross <sup>1</sup> .....	..	..	..	..	(20)	(50)	(70)
Anatomy, Neurology.....	..	..	..	..	10	20	30
Bacteriology, General.....	33	66	..	..	..	..	99
Bacteriology, Special.....	..	..	22	44	..	..	66
Materia Medica <sup>2</sup> .....	..	..	..	..	20	..	20
Physiology.....	34	55	35	44	28	55	251
Technics and Clinics, Dental.....	11	132	22	198	10	130	503
(Clinics).....	..	(66)	..	(66)	..	(60)	(192)
Total	78	255	79	286	68	205	969
THIRD YEAR							
Anesthesiology.....	11	..	..	..	..	..	11
Bacteriology, General <sup>3</sup> .....	(33)	(66)	..	..	..	..	(99)
Bacteriology, Special <sup>3</sup> .....	..	..	(22)	(44)	..	..	(66)
Clinical Lecture.....	..	..	..	..	10	..	10
Crowns and Fixed Dentures, Clinic.....	..	45	..	45	..	40	130
Dentures, Removable, Clinic.....	..	..	..	..	..	40	40
Diagnosis.....	..	10	2	10	2	10	34
History, Dental and Medical.....	11	..	11	..	10	..	32
Materia Medica.....	22 <sup>4</sup>	..	22 <sup>4</sup>	..	(20) <sup>5</sup>	..	44
Operative Dentistry, Clinic.....	..	45	..	45	..	40	130
Oral Surgery, Minor.....	..	3	11	3	10	16	43
Orthodontics.....	11	..	11	..	10	..	32
Pathology, General.....	44	55	44	55	..	..	198
Pathology, Oral.....	..	..	..	..	30	40	70
Pedodontics, Technics.....	..	16	..	..	..	..	16
Pedodontics, Clinic.....	..	..	..	..	6	16	22
Periodontics.....	..	..	11	..	10	..	21
Preventive Dentistry.....	..	..	..	..	10	..	10
Preventive Medicine.....	..	..	..	..	20	..	20
Radiographic Interpretation.....	..	..	11	..	..	..	11
Radiology.....	..	..	..	7	..	..	7
Technics <sup>4</sup> .....	11	77	..	..	..	..	88
Therapeutics, Clinic.....	..	45	..	45	..	40	130
Total	110	296	123	210	118	242	1,099
FOURTH YEAR							
Clinical Lecture.....	..	..	11	..	..	..	11
Crowns and Fixed Dentures, Clinic.....	..	55	..	55	..	55	165
Dentures, Removable, Clinic.....	..	55	..	55	..	55	165
Diagnosis.....	..	5	..	5	..	5	15
Jurisprudence.....	..	..	10	..	..	..	10
Materia Medica.....	(22) <sup>6</sup>	..	(22) <sup>6</sup>	..	..	..	(44)
Operative Dentistry, Clinic.....	..	55	..	55	..	55	165
Oral Medicine.....	22	..	22	..	20	..	64
Oral Surgery.....	11	8	11	8	..	8	46
Oral Surgery, Minor.....	..	16	..	16	..	..	32
Orthodontics.....	11	..	11	..	10	..	32
Pathology, Applied Oral.....	11	..	11	..	..	..	22
Pedodontics.....	11	22	..	22	..	22	77
Radiology.....	..	..	..	..	..	7	7
Seminar.....	..	..	22	..	20	..	42
Seminar, Clinical.....	..	..	..	12	..	12	24
Therapeutics, Clinic.....	..	55	..	55	..	55	165
Total	66	271	98	283	50	274	1,042
GRAND TOTAL.....							4,112

<sup>1</sup> Offered only to first year students after 1955-56.

<sup>2</sup> Offered to second year students after 1955-56.

<sup>3</sup> Offered only to second year students after 1955-56.

<sup>4</sup> Offered to third year students after 1955-56.

<sup>5</sup> Offered in winter quarter after 1956-57.

<sup>6</sup> Not offered to fourth year students after 1956-57.

During the third and fourth years, a student who has shown special aptitude and whose previous work has been of a sufficiently high quality may be permitted to pursue advanced work in any department.

Each year more hospitals are establishing dental internships. Students are urged to take advantage of these opportunities to gain experience before entering private practice, and every effort is made to assist fourth year students in securing such positions for the year following graduation.

The faculty of the College of Dentistry each year nominates and supervises two dental internes for the University of Illinois Research and Educational Hospitals. The College also nominates a candidate for dental internship in the Cook County Hospital.

### **COURSES OF INSTRUCTION**

The following list of courses is in alphabetical order of departments. Names of staff members in each department are listed by rank. The courses offered in each department are listed numerically. In the description of each course, the abbreviations F, W, Sp, and S indicate the fall, winter, spring, and summer quarters, respectively, and the Arabic numerals preceding them indicate the number of one-hour periods required for lecture, recitation, or laboratory each week throughout the quarter unless otherwise stated. Credit is calculated in clock hours.

### **ANATOMY**

*Professors:* Reynolds (Head of Department), Simer, Von Bonin, Zimmermann.

*Associate Professors:* Krehbiel, Plagge.

*Assistant Professor:* LaVelle.

*Instructor:* Monsen.

### **REQUIRED COURSES — FIRST YEAR**

**306. Systematic and Regional Anatomy.** Dissection of the superior extremities, thorax, abdomen, pelvis, inferior extremities, and head and neck. Lectures and demonstrations, 2; laboratory, two 2½-hour periods; F, W, and Sp. MONSEN and assistants.

### **REQUIRED COURSES — SECOND YEAR**

**327. Anatomy of Head and Neck.** Dissection of head and neck and special consideration of osteology of the skull. Lectures and demonstrations, 2; laboratory, two 2½-hour periods; Sp. MONSEN and assistants. (Offered only to first year students after 1955-56).

**329. Neuro-Anatomy.** Gross and microscopic anatomy of the nervous system; dissection of the brain and examination of stained sections; correlation of structure and function. Lectures and demonstrations, 1; laboratory, one 2-hour period; Sp. LAVELLE and assistants.

#### **BACTERIOLOGY**

*Professors:* Novak (Head of Department), Kempf.

*Associate Professor:* Meyer.

*Assistant Professors:* Lebeau, Markowitz, Scherr, Vicher.

*Instructors:* Anderson, Hanson, Newcomb.

*Assistants:* Baram, Henderson, Karabatsos.

The course in bacteriology is offered during the first and second quarters of the second year. Instruction is based upon a study of fundamental principles involving morphology, physiology, and distribution of bacteria and related organisms. Following a brief study of representative members of nonpathogenic and useful species, the student is introduced to harmful bacteria and the nature of the diseases which they produce together with immunological and serological considerations. Pathogenic fungi, protozoa, and viruses are included in this beginning course, as well as organisms responsible for tropical diseases. Special emphasis is placed on the ubiquitous nature of bacteria so that the student can more readily comprehend epidemiological problems and the host-parasite relationship in subsequent courses. Practical dental bacteriology is stressed in the second quarter.

#### **REQUIRED COURSES — SECOND YEAR**

**320. Bacteriology and Related Microbiology.** A study of the general morphology, metabolism, serology, and pathogenicity of the important microbial agents of communicable diseases; action of germicidal agents, sulfonamides, penicillin, streptomycin, and other antibiotics; factors in parasitic offense, and mechanisms of host defense; detailed consideration of pathogenic cocci and enteric pathogens. Lecture, 3; laboratory, 6; F. NOVAK and others. (Also offered to third-year students in 1955-56 only.)

**325. Bacteriology and Related Microbiology.** Continuation of course 320. Detailed consideration of viruses, pathogenic fungi, spirochetes, rickettsia, and other microbial agents of disease; serological methods and routine hospital laboratory procedures applicable to diagnosis of communicable diseases; practical dental bacteriology. Lecture, 2; laboratory, 4; W. KEMPF and others. (Also offered to third-year students in 1955-56 only.)

## BIOLOGICAL CHEMISTRY

*Professors:* Winzler (Head of Department), Bergeim, Binkley.

*Associate Professors:* Abood, Rafelson.

*Assistant Professors:* Barkulis, Johnson, Kohn, Myers.

*Assistant:* Brown.

### REQUIRED COURSES — FIRST YEAR

**303. Biological Chemistry.** Chemistry of the constituents of tissues and body fluids; digestion, absorption, and intermediary metabolism of carbohydrates, lipids, proteins, and nucleic acids; and the role of vitamins, enzymes, and hormones in the regulation of these processes. Lectures, conferences, and laboratory, 10; F. Members of the staff.

## DENTAL TECHNICS AND CLINICS

*Professors:* Kubacki (Director of Clinics), Bazola, Kellogg (Emeritus), Kesel, Spence, Tylman, Wallace.

*Associate Professors:* Elfenbaum (Emeritus), Grunwald, Jasper, Kurtz, Maurice, Sreebny, Ulloa, Wach (Emeritus), Yale.

*Assistant Professors:* Barber, Gagnon, Klavan, Krejci (Emeritus), Levy, Skupa, Underwood.

*Instructors:* D. Berman, J. Berman, Busch, Ellingson, Flores, Grauer, Hebting, Hill, Hubbell, Jacobs (on leave of absence for military service), Lipe, McElroy, Pelka (on leave of absence for military service), Rosenberg, Sperry, Stastny, Tanner, Yaeger.

*Assistants:* Angelo, Balaty, Burns, Fiocca, Kazmer, Rink.

### REQUIRED COURSES — FIRST YEAR

**302a. Basic Technics.** A course designed to give the beginning dental student experience in the handling of dental materials and to afford him practice in the basic principles of laboratory procedures. Lecture and laboratory, 16 (five and one-half weeks); clinic, 16 (one week); W. KESEL, KUBACKI, SPENCE, TYLMAN, and members of the clinical staff.

**302b. Dental Technics.** Principles of full and removable partial denture technics. Lecture and laboratory, 16 (four and one-half weeks); W. KUBACKI and members of the clinical staff.

**303. Dental Technics and Clinics.** Principles of removable partial denture technics. Clinical practice in taking impressions and developing records for children and in constructing full dentures for adults. Lecture



and laboratory, 8; lecture, demonstration, and clinic (students assigned in groups), 6; Sp. BARBER, KUBACKI, and members of the clinical staff.

#### REQUIRED COURSES — SECOND YEAR

**325. Dental Technics and Clinics.** Theory of the etiology and treatment of dental caries; restorations on models and manikins. Clinical practice in removable partial dentures, pedodontics, oral examination, prophylaxis, and radiology. Lecture and laboratory, 7; clinic (students assigned in groups), 6; F. BARBER, JASPER, KESEL, KUBACKI, MAURICE, SPENCE, YALE, and members of the clinical staff.

**326. Dental Technics and Clinics.** Continuation of the technics of treating dental caries; restorations on models and manikins. Technics of root canal therapy. Clinical practice, continuation of course 325. Lecture and laboratory, 14; clinic (students assigned in groups), 6; W. BARBER, JASPER, KESEL, KUBACKI, MAURICE, SPENCE, YALE, and members of the clinical staff.

**327. Dental Technics and Clinics.** Technics of the construction of crowns and fixed partial dentures. Clinical practice in operative restorations and in root canal and periodontal therapy. Lecture and laboratory, 8; clinic (students assigned in groups), 6; Sp. BAZOLA, KESEL, KUBACKI, SPENCE, TYLMAN, and members of the clinical staff.

**329. Materia Medica and Therapeutics.** Nomenclature, classification, action and use of drugs, and prescription writing. Lecture, 2; Sp. WALLACE. (Offered to second year students after 1955-56.)

#### REQUIRED COURSES — THIRD YEAR

**351. Dental Technics.** Continuation of the technic of the construction of crowns and fixed partial dentures. Lecture and laboratory, 8; F. BAZOLA, TYLMAN, and members of the clinical staff. (Offered to third year students after 1955-56.)

**353. Materia Medica and Therapeutics.** Continuation of course 329. Nomenclature, classification, action and use of drugs, and prescription writing. Lecture, 2; Sp. (F, W, and Sp in 1956-57.) WALLACE.

**354. Periodontics.** Etiology, pathology, and treatment of diseases of the investing tissues of the teeth and of other oral tissues. Lecture, 1; W and Sp. KESEL, SREEBNEY, and members of the clinical staff.

**355. Preventive Dentistry and Public Health.** Measures for prevention of dental disease; the oral flora and its relation to disease; technic of oral hygiene; relation of the dentist to public health problems. Lecture, 1; Sp. ELLINGSON, KESEL, MAURICE, WALLACE.

**357. Diagnosis.** Clinic and conference. Clinic (students assigned in groups), 10 hours each quarter, continuous through F, W, and Sp; clinical conference (students assigned in groups), 2 hours each quarter, W and Sp. JASPER and members of the clinical staff.

**361. Clinical Practice.** Principles of practice with increasing emphasis on examination, diagnosis, and treatment planning; restorations and replacements of lost tooth structure; treatment of the periodontal tissues; management of root canals. Conferences and demonstrations to groups, continuous through F, W, and Sp; lecture, 1, Sp. KESEL, KUBACKI, SPENCE, TYLMAN, and members of the clinical staff.

#### **REQUIRED COURSES — FOURTH YEAR**

**375. Materia Medica and Therapeutics.** Continuation of course 353. Nomenclature, classification, action and use of drugs, and prescription writing. Lecture, 2; F. (F and W in 1956-57.) WALLACE. (Offered only to third year students after 1956-57.)

**377. Applied Oral Pathology.** Dental hypoplasias, erosion, and caries; pathology and treatment of diseases of the dental pulp and periapical tissue; tissue reactions in periapical region following pulp removal. Lecture, 1; F and W. KESEL.

**379. Diagnosis.** Clinic, 5 hours each quarter; F, W, and Sp. JASPER and members of the clinical staff.

**381. Clinical Practice.** Continuation of course 361, with emphasis on study of the patient. Greater responsibility for the management of cases is placed on the student to encourage the development of individual judgment, initiative, and responsibility. Clinic, continuous through F, W, and Sp; lecture, 1, W; seminar (students assigned in groups), 2 (six weeks), W and Sp. KESEL, KUBACKI, SPENCE, TYLMAN, YALE, and members of the clinical staff.

#### **HISTOLOGY AND EMBRYOLOGY**

*Professor:* Schour (Head of Department).

*Assistant Professors:* DuBrul, Gagnon, Gillette, James.

*Instructor:* Mohammed.

#### **REQUIRED COURSES — FIRST YEAR**

**301. Oral Anatomy.** A study of the facial structures of man with special attention to the masticatory mechanisms. The approaches to the problem presented are those of functional anatomy and of the organism

as a product of organic evolution. Lecture or quiz, 1; laboratory, one 3-hour period; continuous through F, W, and Sp. DuBRUL, GAGNON, ULLOA, YAEGER.

**305. General Histology.** Levels of morphological organization: organs, tissues, cells and intercellular substances; the elementary tissues; the histology of the organs of the circulatory, reticulo-endothelial, and skeletal systems. Lecture or quiz, 2; laboratory, two 2-hour periods; F. GAGNON, GILLETTE, JAMES, MOHAMMED, SCHOUR.

**306. General and Oral Histology and Embryology.** Histology of the organs of the integumentary, alimentary, respiratory, excretory, endocrine, and reproductive systems; the embryology and histology of the oral and nasal cavities; the development of the face. Lecture or quiz, 2; laboratory, two 2-hour periods; W. GAGNON, GILLETTE, JAMES, MOHAMMED, SCHOUR.

**307. Dental Histology and Embryology.** The development and histology of the teeth and the periodontal tissues; the life cycle of the dentition; comparative and experimental dental histology; histophysiological aspects of clinical dentistry. Lecture or quiz, 2; laboratory, two 2-hour periods; Sp. GAGNON, GILLETTE, JAMES, MOHAMMED, SCHOUR.

## **JURISPRUDENCE**

### **REQUIRED COURSES — FOURTH YEAR**

**370. Legal Medicine.** Principles of law governing individual and professional rights and obligations; rights and obligations arising from the relationship of doctor and patient and their enforcement in court; expert testimony; state dental statutes and general law. Lecture, 2 (five weeks); W.

## **MEDICAL AND DENTAL HISTORY**

*Professor:* Talbot.

### **REQUIRED COURSES — FIRST YEAR**

**321. History of Medicine and Dentistry.** Lecture, 1; continuous through F, W, and Sp.

### **REQUIRED COURSES — THIRD YEAR**

**351. History of Medicine and Dentistry.** Lecture and seminar, 1; continuous through F, W, and Sp.

#### REQUIRED COURSES — FOURTH YEAR

376. **Seminar.** Consultations on the preparation of scientific papers. Presentation and discussion of papers, 2; W and Sp.

#### MEDICINE

*Professors:* Dowling (Head of Department), Massler (Pedodontics).

#### REQUIRED COURSES — FOURTH YEAR

381. **Oral Medicine.** Correlation of medical and dental aspects of disease. Lecture and clinical demonstrations, 2; continuous through F, W, and Sp. MASSLER and guest lecturers.

#### ORAL AND MAXILLOFACIAL SURGERY

*Professor:* Olech, Sadove (Anesthesiology).

*Associate Professor:* Laskin.

*Assistant Professor:* Robinson.

*Instructor:* Rieke.

*Assistants:* Ferrini, Roy.

#### REQUIRED COURSES — THIRD YEAR

351. **Anesthesiology.** Local and general anesthesiology. A review of the history of anesthesia; the regional anatomy with particular reference to the nerve supply and osteology of the mandible and maxilla; the principles and technics fundamental to securing local and general anesthesia, as well as agents employed, pharmacologic action, and chemical composition. Lecture, 1; F. OLECH and SADOVE.

352. **Minor Oral Surgery.** Introduction to exodontia and minor oral surgery. Lecture, 1, W and Sp; clinic (students assigned in groups), 3 hours each quarter, F and W. LASKIN, OLECH, RIEKE, ROBINSON, and others.

359. **Minor Oral Surgery Clinic.** Exodontia and minor oral surgery. History taking, oral examination, preoperative and postoperative roentgenographic examination, diagnosis, aseptic technic, instrumentarium, operative technic, postoperative care and treatment of complications. Demonstration of administration of nitrous oxide and oxygen anesthesia. Four 4-hour periods during quarter (students assigned in groups); Sp. LASKIN, OLECH, RIEKE, ROBINSON, and others.

#### REQUIRED COURSES — FOURTH YEAR

375. **Oral and Maxillofacial Surgery.** Fundamental principles of general surgery. Diagnosis and treatment of congenital deformities,

traumatic, inflammatory and neoplastic lesions of the oral cavity and adjacent structures. Clinical demonstration of the more difficult cases. Lecture, 1, F and W; clinic (students assigned in groups), one 2-hour period (four weeks), continuous through F, W, and Sp. LASKIN, OLECH, RIEKE, and others.

**379. Minor Oral Surgery Clinic.** Continuation of course 359. Four 4-hour periods each quarter (students assigned in groups); F and W. LASKIN, OLECH, RIEKE, ROBINSON, and others.

## **ORTHODONTICS**

*Professors:* Brodie (Head of Department), Noyes (Emeritus).

*Associate Professors:* Engel, Pruzansky, Renfroe.

*Instructors:* Pomatto, Prorak, Watanabe.

### **REQUIRED COURSES — THIRD YEAR**

**351. Orthodontics.** Methodology of growth studies; growth and development of the head and neck; orthopedic principles; etiology of malocclusion; diagnosis and case analysis. Lecture, 1; continuous through F, W, and Sp. BRODIE.

### **REQUIRED COURSES — FOURTH YEAR**

**375. Orthodontics.** History of orthodontics; development of appliances and treatment methods; principles of treatment; effects of treatment on dental tissues; possibilities, limitations, and results of treatment. Lecture, 1; F, W, and Sp. BRODIE and ENGEL.

## **PATHOLOGY**

*Professors:* Krakower (Head of Department), Bennett, Pirani, Weinmann (Head of Division of Oral Pathology).

*Associate Professors:* Mason, McGrew, Nedzel.

*Assistant Professors:* Bhaskar (Oral Pathology) (on leave of absence for military service).

*Instructors:* Bolden (Oral Pathology), Medak (Oral Pathology), Schneider.

### **REQUIRED COURSES — THIRD YEAR**

**351. General and Special Pathology.** The basic principles of pathologic processes, including tissue injury and repair, inflammation, circulatory disturbances, retrograde processes and tissue responses to specific infectious agents and neoplasms, are considered in the first part of this course. In the latter part of the course, the disease processes affecting each

organ and anatomic system are considered in greater detail. Postmortem examinations with student assistance are conducted before the class. Lectures, demonstrations, quiz conferences, autopsies, and laboratory, 9; F and W. MCGREW, NEDZEL, WEINMANN, and staff.

**353. Oral Pathology.** Lecture, recitation, demonstration, 3; laboratory, two 2-hour periods; Sp. BOLDEN, MEDAK, WEINMANN, and staff.

#### **PEDODONTICS**

*Professor:* Massler (Head of Department).

*Associate Professor:* Gerlach.

*Assistant Professor:* Barber.

*Instructors:* Korf, Rogers, Torch.

#### **REQUIRED COURSES — THIRD YEAR**

**361. Pedodontics.** Applied technics. Prophylaxis, mouth hygiene, caries control methods, X-ray interpretation, diagnosis and cavity preparation for deciduous teeth. Laboratory (students assigned in groups), four 4-hour periods during quarter, F; lecture, 1 (six weeks), Sp; clinic (students assigned in groups), 16, Sp. BARBER, GERLACH, and staff.

#### **REQUIRED COURSES — FOURTH YEAR**

**381. Pedodontics.** Clinical operative, restorative, and therapeutic care of children's teeth; principles of space maintenance; management of child patient. Lecture, 1, F; clinic (students assigned in groups), 22 hours each quarter, continuous through F, W, and Sp. GERLACH and MASSLER.

#### **PHYSICAL EDUCATION**

*Instructor:* Brown.

**Physical Education Practice.** The measurement, development, and maintenance of physical fitness in accordance with each student's needs and abilities.

In addition to the work offered in physical education, an extensive intramural athletic program for men is in operation. Intercollegiate athletics are limited to basketball, golf, and tennis. A small gymnasium, athletic field, and two tennis courts are open daily. Recreational swimming and handball are offered free to male students at the Duncan Y.M.C.A. Women students have access to archery, table tennis, tennis, badminton, and shuffleboard equipment at the Illini Union Building.



## PHYSIOLOGY

*Professors:* Wakerlin (Head of Department), Bachem (Emeritus), Gerard, Guillemin, Marbarger, Reed, Whitehorn.

*Professorial Lecturers:* Crandall, Himwich.

*Associate Professors:* Darrow, Ingraham.

*Assistant Professors:* Alpert, Greenberg, Schwartz.

*Instructors:* Henry, Young.

*Assistants:* Baratz, Day, Frank, Hunsaker, Jach, Rose, Rovick.

### REQUIRED COURSES — SECOND YEAR

**324. Human Physiology.** Physiology of muscle and nerve, blood, circulation, and respiration. Lectures, conferences, demonstrations, and laboratory, 8; F. ALPERT, GREENBERG, HENRY, INGRAHAM, MARBARGER, REED, SCHWARTZ, WAKERLIN, WHITEHORN, YOUNG, and others.

**325. Human Physiology.** Continuation of course 324. Physiology of digestion, excretion, endocrines, nutrition, metabolism, and heat regulation. Lectures, conferences, demonstrations, and laboratory, 7; W. ALPERT, GREENBERG, HENRY, INGRAHAM, MARBARGER, REED, SCHWARTZ, WAKERLIN, WHITEHORN, YOUNG, and others.

**326. Human Physiology.** Continuation of course 325. Physiology of central nervous system and senses. Lectures, conferences, demonstrations, and laboratory, 8; Sp. ALPERT, GREENBERG, HENRY, INGRAHAM, MARBARGER, REED, SCHWARTZ, WAKERLIN, WHITEHORN, YOUNG, and others.

## PREVENTIVE MEDICINE

*Professor:* Lepper (Head of Department).

*Associate Professor:* Rosenthal.

*Assistant Professor:* Hull.

### REQUIRED COURSES — THIRD YEAR

**330. Preventive Medicine and Public Health.** Same as Public Health 330. Principles of the prevention of disease and the relation of the practicing physician to public health agencies. Lectures and demonstrations, 2; Sp. LEPPER and staff.

## RADIOLOGY

*Associate Professor:* Yale (Head of Department).



#### **REQUIRED COURSES — THIRD YEAR**

**350. Radiology.** Technic and clinical practice. Demonstrations and conferences (students assigned in groups), 7 hours during quarter; W. YALE and members of the staff.

**353. Radiographic Interpretation.** Basic principles of radiographic technic; indications for standard and undistorted technics; limitations and advantages of radiographic examination; radiographic characteristics of normal and pathologic conditions of oral structures; dental applications of atomic energy. Lecture and quiz, 1; W. YALE and heads of clinical departments.

#### **REQUIRED COURSES — FOURTH YEAR**

**375. Radiology.** Continuation of course 350. Demonstrations and conferences (students assigned in groups), 7 hours during quarter; Sp. YALE and members of the staff.

A Research Laboratory



## **Postgraduate Studies**

### **PART 3**

The University of Illinois College of Dentistry offers the following postgraduate courses planned for dentists who wish to supplement their education in the basic and clinical fields:

- (1) **Twelve-Week Refresher and Survey Program.** Of special value to foreign dentists who wish an introduction to American methods in the clinical subjects and to American dentists recently separated from the armed forces who feel the need of a review in many of the clinical fields.
- (2) **Extended Instruction in Clinical Fields.**
- (3) **Advanced Courses.** One-year courses in oral histology, oral pathology, oral surgery, orthodontics, pedodontics, and periodontics. Some of these courses may be followed by graduate instruction.
- (4) **Lecture and Seminar Courses.** Five or six weekly sessions in evenings or late afternoons.
- (5) **One- to Four-Day Courses.** Includes workshops for teachers and television courses.
- (6) **Telephone Extension Program.**

For further information concerning the Television and Telephone Extension Courses address the Postgraduate Studies Extension Division, and for information concerning all other programs address the Division of Postgraduate Studies. Both divisions are at 808 South Wood Street, Chicago 12, Illinois.



Dentistry-Medicine-Pharmacy Building



## Staff

## PART 4

### FACULTY OF THE COLLEGE OF DENTISTRY AND COOPERATING MEMBERS FROM OTHER DEPARTMENTS

- Abood, Leo G., Ph.D., Associate Professor of Biological Chemistry
- Alpert, Norman R., Ph.D., Assistant Professor of Physiology
- Anderson, Truman O., M.S., Instructor in Bacteriology
- Angelo, Vincent, B.S., D.D.S., Assistant in Operative Dentistry
- Atterbury, Robert A., B.S., D.D.S., Assistant Professor of Clinical Dentistry (Research and Educational Hospitals Dental Clinic)
- Bachem, Albert, Ph.D., Professor of Biophysics, *Emeritus*
- Balaty, Jerry F., B.S., D.D.S., Assistant in Operative Dentistry
- Baram, Peter, M.S., Assistant in Bacteriology
- Baratz, Robert A., M.S., Assistant in Physiology
- Barber, Thomas K., D.D.S., M.S., Assistant Professor of Pedodontics
- Barkulis, Sam S., B.S., M.D., Assistant Professor of Biological Chemistry
- Bazola, Fred N., B.S., D.D.S., Professor of Crowns and Fixed Partial Dentures
- Bennett, Granville A., B.S., M.D., Professor of Pathology and Dean of the College of Medicine
- Bergeim, Olaf, Ph.D., Professor of Biological Chemistry
- Berman, David, D.D.S., M.S., Instructor in Applied Materia Medica and Therapeutics
- Berman, David S., B.D.S., Research Assistant in Histology
- Berman, Jules, B.S., D.D.S., Instructor in Operative Dentistry
- Bhaskar, Surindar N., B.D.S., D.D.S., Ph.D., Assistant Professor of Oral Pathology (on leave of absence)
- Binkley, Stephen B., Ph.D., Professor of Biological Chemistry
- Bolden, Theodore E., A.B., D.D.S., M.S., Instructor in Oral Pathology
- Bonin, Gerhardt von, M.D., Professor of Anatomy
- Borkenhagen, Robert H., B.S., D.D.S., M.D., Assistant in Clinical Dentistry (Research and Educational Hospitals Dental Clinic)
- Brodie, Allan G., D.D.S., Ph.D., Professor of Orthodontics and Head of the Department



Brown, John Wagner, M.S., Instructor in Physical Education for Men  
 Brown, John Wesley, M.S., Assistant in Biological Chemistry  
 Burns, William P., D.D.S., Assistant in Crowns and Fixed Partial Dentures  
 Busch, Hirsh M., Instructor in Applied Materia Medica and Therapeutics  
 Crandall, Lathan A., Jr., Ph.D., M.D., Professorial Lecturer in Physiology  
 Darrow, Chester W., Ph.D., Associate Professor of Physiology  
 Day, William J., M.S., Assistant in Physiology  
 Dowling, Harry F., A.B., M.D., Professor of Medicine and Head of the Department  
 DuBrul, E. Lloyd, D.D.S., M.S., Assistant Professor of Oral Anatomy  
 Elfenbaum, Arthur, A.B., D.D.S., Associate Professor of Clinical Dentistry, *Emeritus*  
 Ellingson, Anita M., M.P.H., Instructor in Applied Materia Medica and Therapeutics  
 Engel, Milton B., D.D.S., M.S., Associate Professor of Orthodontics  
 Ferrini, Peter P., D.D.S., M.S., Assistant in Oral Surgery  
 Fiocca, Vincent L., B.S., D.D.S., Assistant in Operative Dentistry  
 Flores, Samson S., D.M.D., Instructor in Full and Removable Partial Dentures  
 Frank, Morton H., M.S., Assistant in Physiology  
 Gagnon, James A., D.D.S., M.S., Assistant Professor of Histology and Embryology and of Operative Dentistry  
 Gerard, Ralph W., M.D., Ph.D., Professor of Physiology  
 Gerlach, Elsie, D.D.S., Associate Professor of Pedodontics and Superintendent of the Children's Clinic  
 Gillette, Roy J., Ph.D., Assistant Professor of Histology and Embryology  
 Grauer, David E., B.S., D.D.S., Instructor in Full and Removable Partial Dentures  
 Greenberg, Ruven, Ph.D., Assistant Professor of Physiology  
 Grunwald, Marshall F., D.D.S., M.S., Associate Professor of Applied Materia Medica and Therapeutics  
 Guillemin, Victor, Jr., Ph.D., Professor of Biophysics  
 Hanson, Robert J., M.S., Instructor in Bacteriology  
 Hebting, Charles F., B.S., D.D.S., Instructor in Crowns and Fixed Partial Dentures  
 Henderson, Jack R., M.S., Assistant in Bacteriology  
 Henry, John P., B.S., M.D., Instructor in Physiology  
 Hill, Worl V., A.B., B.S., D.D.S., Instructor in Operative Dentistry  
 Himwich, Harold E., M.D., Professorial Lecturer in Physiology

Hubbell, Thomas L., Ph.B., D.D.S., Instructor in Crowns and Fixed Partial Dentures

Hull, Thomas G., Ph.D., Assistant Professor of Preventive Medicine

Hunsaker, Anne, A.B., M.S., Assistant in Physiology

Ingraham, Raymond C., Ph.D., Associate Professor of Physiology

Jach, Edwin, B.S., Assistant in Physiology

Jacobs, Lester, D.D.S., Instructor in Full and Removable Partial Dentures (on leave of absence for military service)

James, Verda E., A.B., D.D.S., Assistant Professor of Histology and Embryology

Jasper, Elmer A., D.D.S., Associate Professor of Clinical Dentistry and Chief Examiner in the Admitting Clinic

Johnson, Clarence A., Ph.D., Assistant Professor of Biological Chemistry

Johnson, Ivory C., M.S., Research Associate in Applied Materia Medica and Therapeutics

Karabatsos, Nick, B.S., Assistant in Bacteriology

Kazmer, Herbert L., B.S., D.D.S., Assistant in Full and Removable Partial Dentures

Kellogg, John S., D.D.S., Professor of Prosthetic Dentistry, *Emeritus*

Kempf, John E., A.B., M.D., Professor of Bacteriology

Kesel, Robert G., D.D.S., M.S., Professor of Applied Materia Medica and Therapeutics and Head of the Department

Klavan, Bennett, A.B., D.D.S., Assistant Professor of Applied Materia Medica and Therapeutics

Kohn, Paul, Ph.D., Assistant Professor of Biological Chemistry

Korf, Stanley R., D.D.S., Instructor in Pedodontics

Krakower, Cecil A., B.S., C.M., M.D., Professor of Pathology, Head of the Department, and Pathologist-in-Chief in the Research and Educational Hospitals

Krehbiel, Robert H., Ph.D., Associate Professor of Anatomy

Krejci, Edward J., D.D.S., Assistant Professor of Operative Dentistry, *Emeritus*

Kubacki, W. Howard, D.D.S., Professor of Full and Removable Partial Dentures, Head of the Department, and Director of Clinics

Kurtz, Theodore B., D.D.S., Associate Professor of Crowns and Fixed Partial Dentures

Laskin, Daniel M., D.D.S., M.S., Associate Professor of Oral Surgery

LaVelle, Arthur, Ph.D., Assistant Professor of Anatomy

LeBeau, Leon J., Ph.D., Assistant Professor of Bacteriology

Lepper, Mark H., M.D., Professor of Preventive Medicine and Head of the Department

Levy, Saul, B.S., D.D.S., Assistant Professor of Dentistry in Applied Materia Medica and Therapeutics, and Coordinator of Postgraduate Programs

Lipe, Dale M., B.S., D.D.S., Instructor in Full and Removable Partial  
Dentures  
 Marbarger, John P., Ph.D., Professor of Physiology and Director of Re-  
search in the Aeromedical and Physical Environment Laboratory  
 Markowitz, Abraham S., Ph.D., Assistant Professor of Bacteriology  
 Marwah, Amarjit S., F.Sc., B.D.S., Research Assistant in Histology  
 Mason, Coye C., B.S., M.D., Clinical Associate Professor of Pathology  
 Massler, Maury, D.D.S., M.S., Professor of Pedodontics and Head of the  
Department  
 Maurice, Charles G., D.D.S., M.S., Associate Professor of Applied Ma-  
teria Medica and Therapeutics  
 McElroy, Donald L., D.D.S., M.S., Instructor in Clinical Dentistry  
 McGrew, Elizabeth A., A.B., M.D., Associate Professor of Pathology and  
Assistant Pathologist in the Research and Educational Hospitals  
 Medak, Herman, D.D.S., M.S., Instructor in Oral Pathology  
 Meyer, Esther, Ph.G., Ph.D., Associate Professor of Bacteriology  
 Meyer, Julia, B.S., Research Associate in Oral Pathology  
 Mohammed, Clive I., L.D.S., M.S., Instructor in Histology and Embry-  
ology  
 Monsen, Harry, M.S., Instructor in Anatomy  
 Myers, Terrell C., Ph.D., Assistant Professor of Biological Chemistry  
 Nedzel, Alexander J., M.S., M.D., Associate Professor of Pathology  
 Newcomb, Melva D., Ph.D., Instructor in Bacteriology  
 Novak, Milan V., Ph.D., M.D., D.Sc., Professor of Bacteriology, Head  
of the Department, and Associate Dean of the Graduate College  
 Noyes, Frederick B., A.B., D.D.S., D.Sc., LL.D., Professor of Orthodontics  
and Dean of the College of Dentistry, *Emeritus*  
 Olech, Eli, D.D.S., M.S., Professor of Oral Surgery and Director of  
Minor Oral Surgery  
 Pelka, Francis X., B.S., D.D.S., Instructor in Crowns and Fixed Partial  
Dentures (on leave of absence for military service)  
 Pirani, Conrad L., M.D., Professor of Pathology  
 Plagge, James C., Ph.D., Associate Professor of Anatomy  
 Pomatto, Bert D., D.D.S., Instructor in Orthodontics  
 Prorok, Edward, D.D.S., Instructor in Orthodontics  
 Pruzansky, Samuel, D.D.S., M.S., Associate Professor of Orthodontics  
(Division of Services for Crippled Children)  
 Rafelson, Max, Jr., Ph.D., Associate Professor of Biological Chemistry  
 Reed, Carlos I., Ph.D., Professor of Physiology  
 Renfroe, Earl W., D.D.S., M.S., Associate Professor of Orthodontics  
 Reynolds, Samuel M. R., Ph.D., D.Sc., D.h.c., Professor of Anatomy and  
Head of the Department

Rieke, Anna, A.B., R.N., Instructor in Oral Surgery

Rink, Edward J., B.S., D.D.S., Assistant in Crowns and Fixed Partial Dentures

Robinson, Irwin B., D.D.S., M.S., Assistant Professor of Oral Surgery

Rogers, William J., D.D.S., Instructor in Pedodontics

Rose, Howard, B.S., Assistant in Physiology

Rosenberg, Allen, B.S., D.D.S., Instructor in Full and Removable Partial Dentures

Rosenthal, Sol R., M.D., Associate Professor of Preventive Medicine

Rovick, Allen A., M.S., Assistant in Physiology

Roy, Edward W., A.B., D.D.S., Assistant in Oral Surgery

Sadove, Max S., B.S., M.D., Professor of Surgery and Head of the Division of Anesthesiology

Scherr, George H., Ph.D., Assistant Professor of Bacteriology

Schneider, Albert F., B.S., M.D., Instructor in Pathology

Schour, Isaac, D.D.S., Ph.D., D.Sc., Professor of Histology and Embryology, Head of the Department, and Dean of the College of Dentistry

Schwartz, Neena B., Ph.D., Assistant Professor of Physiology

Simer, Parke H., Ph.D., Professor of Anatomy

Skupa, Arthur J., D.D.S., Assistant Professor of Full and Removable Partial Dentures

Spence, John M., D.D.S., M.S., Professor of Operative Dentistry and Head of the Department

Sperry, Walter A., Jr., D.D.S., Instructor in Operative Dentistry

Sreebny, Leo M., D.D.S., M.S., Associate Professor of Applied Materia Medica and Therapeutics

Stastny, Gordon L., B.S., D.D.S., Instructor in Applied Materia Medica and Therapeutics

Talbot, Nell S., A.M., Professor of Medical and Dental History and Assistant to the Dean of the College of Dentistry

Tanner, Mack C., D.D.S., Instructor in Operative Dentistry

Torch, David, D.D.S., Instructor in Pedodontics

Tylman, Stanley D., M.S., D.D.S., Professor of Crowns and Fixed Partial Dentures and Head of the Department

Ulloa, Margot, B.S., D.D.S., Associate Professor of Operative Dentistry

Underwood, Robert B., D.D.S., Assistant Professor of Full and Removable Partial Dentures

Verbic, Richard L., D.D.S., M.S.D., Assistant in Clinical Dentistry (Research and Educational Hospitals Dental Clinic)

Vicher, Edward E., Ph.D., Assistant Professor of Bacteriology

Wach, Edward C., Ph.G., D.D.S., M.S., Associate Professor of Applied Materia Medica and Therapeutics, *Emeritus*

Wakerlin, George E., Ph.D., M.D., Professor of Physiology and Head of the Department  
 Wallace, Donald A., Ph.D., Professor of Applied Materia Medica and Therapeutics  
 Watanabe, Mark, D.D.S., Instructor in Orthodontics  
 Weinmann, Joseph P., M.D., Professor of Oral Pathology and Head of the Division  
 White, Walter L., D.D.S., Research Assistant in Applied Material Medica and Therapeutics  
 Whitehorn, William V., A.B., M.D., Professor of Physiology  
 Winzler, Richard J., Ph.D., Professor of Biological Chemistry and Head of the Department  
 Yaeger, James A., D.D.S., Instructor in Clinical Dentistry  
 Yale, Seymour H., B.S., D.D.S., Associate Professor of Radiology and Head of the Department  
 Young, Irving J., M.D., M.S., Instructor in Physiology  
 Zimmermann, Arnold A., Dr. és Sc., Professor of Anatomy

#### **STAFF OF THE LIBRARY**

Bates, Margaret M., Assistant Librarian, with rank of Instructor  
 Campbell, Joan, A.B., B.L.S., Acquisition Librarian, with rank of Instructor  
 Clarke, Lorena, A.M., Catalog Librarian, with rank of Assistant Professor  
 Loomis, Metta M., Librarian, *Emeritus*  
 Troxel, Wilma, A.M., Librarian and Associate Professor of Library Science  
 Wheeler, Dorothea M., Pharmacy Reference Librarian, with rank of Instructor

#### **STAFF OF THE RESEARCH AND EDUCATIONAL HOSPITALS**

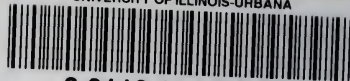
##### **DENTAL CLINIC**

Atterbury, R. A., B.S., D.D.S., Attending Oral Surgeon and Director of Clinic  
 Barber, T. K., D.D.S., M.S., Attending Pedodontist  
 Borkenhagen, R. H., B.S., D.D.S., B.M., M.D., Attending Oral Surgeon and Assistant Director of Clinic  
 Freund, Guenther, D.M.D., Junior Resident  
 Malmberg, B. T., D.D.S., Interne  
 Schultz, Louis, B.S., D.D.S., M.D., Attending Oral Surgeon  
 Vazirani, S. J., B.D.S., Resident  
 Verbic, R. L., B.S., D.D.S., Associate Attending Oral Surgeon





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